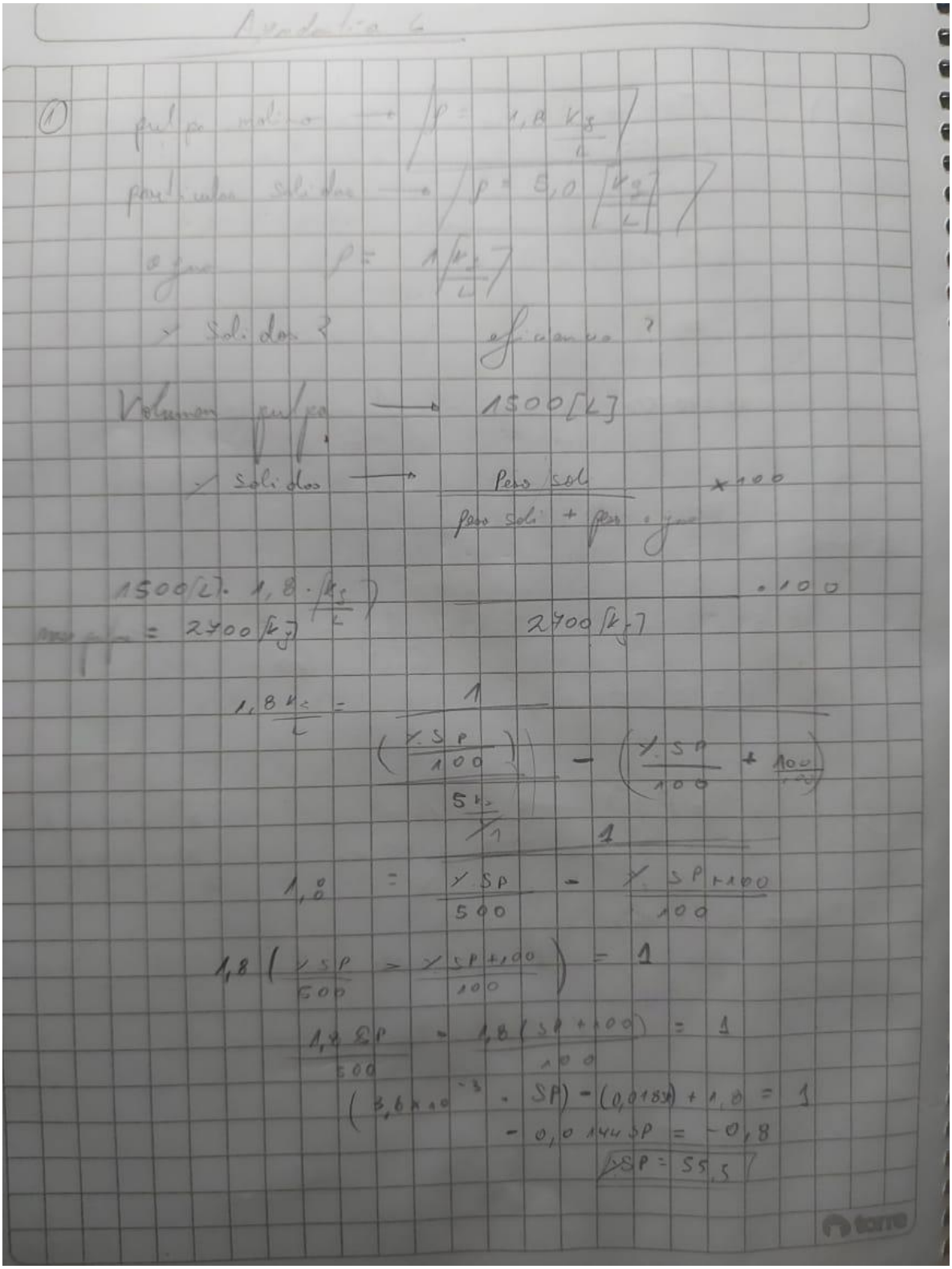
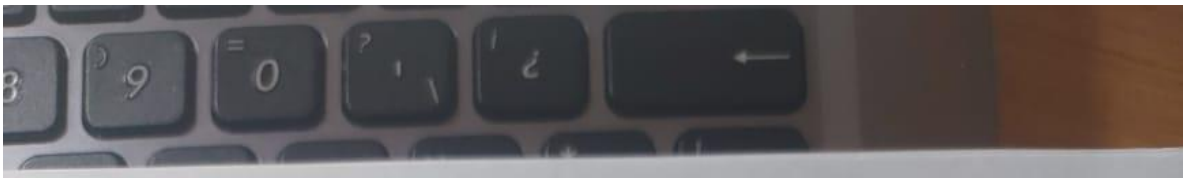
Pregunta 1





MIE JUE VIE SAB DOM

FECHA:

% SP = 55,5 %

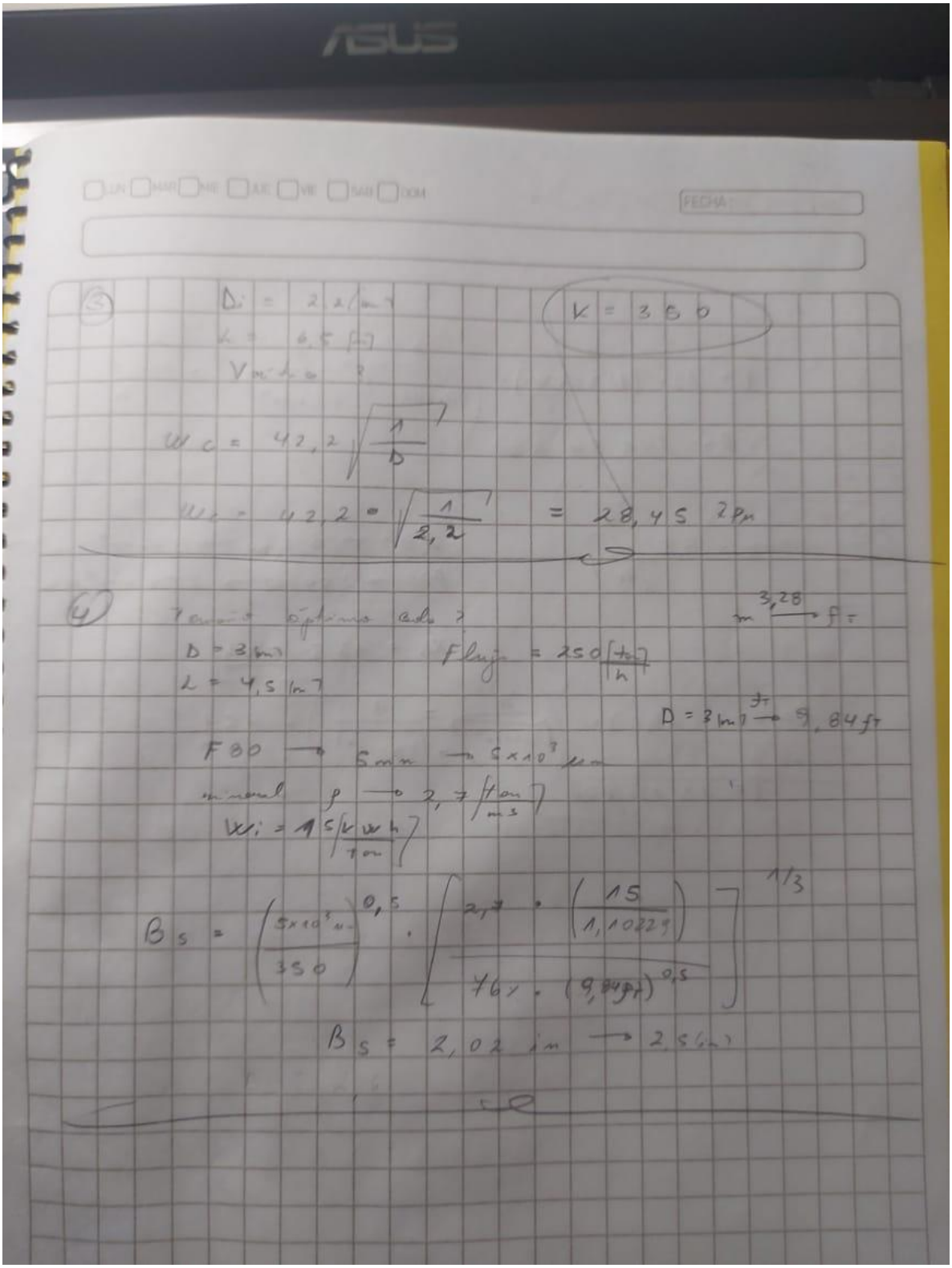
2700 [kg] pulpa → 55,5 % sólido

2700 · 0,55 → 1485 kg sólido

$$\%\,\text{sólido} = \frac{1485\ \text{kg sólido} \times 100}{2700\ \text{kg (total)}}$$

% sólido = 55 %

Pregunta 3 y 4


ASUS
FECHA:
D = 2,2 [m]
k = 6,5 [-]
V máx = ?
V = 350
$W_c = 42,2 \sqrt{\frac{1}{D}}$
$W_c = 42,2 \sqrt{\frac{1}{2,2}} = 28,45$ [rpm]
Velocidad óptima cada 3 m
D = 3 [m]
L = 4,5 [m]
Flujo = 250 [ton/h]
D = 3 [m] → 9,84 [ft]
F80 → 5 mm → 5×10^3 [μm]
material ρ → 2,7 [ton/m³]
$W_i = 15$ [kWh/ton]
$B_s = \left(\frac{5 \times 10^3}{350}\right)^{0,5} \cdot \left[\frac{2,7 \cdot \left(\frac{15}{1,1022}\right)}{76 \cdot (9,84)^{0,5}}\right]^{1/3}$
$B_s = 2,02$ in → 2,5 [in]